

Practitioner's Docket No. 700157-48436



526 Rec'd PCT/PTO 05 JAN 2001

PATENT
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Sodroski et al. Group:
Application No.: 09/446,820 Examiner:
Filed: November 10, 1998
For: STABILIZED PRIMATE LENTIVIRUS ENVELOPE
GLYCOPROTEINS

Assistant Commissioner for Patents
Washington, D.C. 20231

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05 JAN 2001

Legal Staff
International Division

CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. § 1.8(a) and 1.10)

I hereby certify that the following correspondence:

1. Information Disclosure Statement (3 pgs);
2. Form PTO 1449 (6 pgs);
3. References AA, CA-GX (129 refs.);
4. Return Receipt Postcard;

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Date: December 26, 2000

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Signature

Carline L. Lemoine
(type or print name of person certifying)



Docket No. 700157-48436

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Sodroski et al.

Group:

Serial No.: 09/446,820

Examiner:

Filed: November 10, 1998

For: STABILIZED PRIMATE LENTIVIRUS ENVELOPE
GLYCOPROTEINS

Assistant Commissioner for Patents
Washington, D.C. 20231

CERTIFICATE OF MAILING

I hereby certify that this correspondence is, on the date shown below, being: deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Date: 12/26/00


Carline L. Lemoine

Sir:

INFORMATION DISCLOSURE STATEMENT

In accordance with the provisions of 37 C.F.R. §§1.56 and 1.97, Applicants herewith submit the publications and/or patents shown on the attached form PTO-1449, for consideration by the Examiner in connection with the examination of the above-identified patent application.

I. REMARKS

In accordance with the provisions of 37 C.F.R. §1.97, this statement is being filed:

X (1) within three (3) months of the Filing Date or before the mailing date of the First Office Action on the merits; or

- (2) within three months of the mailing date of the PCT International Search Report; or
- (3) after the period defined in (1) but before the mailing date of a **Final Rejection or Notice of Allowance**, and the requisite Certification or fee under Rule 1.17(p), namely **\$240.00**, is included herein; or
- (4) after the mailing date of a **Final Rejection or Notice of Allowance** but before the payment of the **Issue Fee**, and the requisite Certification, petition, and petition fee are included herein.

It is respectfully requested that each of the documents shown on the attached form(s) PTO-1449 be made of record in this application. Copies of these documents (CHECK ONE):

- X are enclosed herewith; and
- have been cited in the parent application, and are thus not being resubmitted herein.

Early examination and allowance of the present application are respectfully solicited.

FEE AUTHORIZATION

Should any fees associated with the submission be required, the Commissioner is authorized to charge the missing fee to our Deposit Account No. 50-0850. Any overpayments should be credited to said Deposit Account.

Respectfully submitted,



Ronald I. Eisenstein (Reg. 30,628)
NIXON PEABODY LLP
101 Federal Street
Boston, MA 02110
(617) 345-6057

Date: December 26, 2000



FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

DOCKET NO.: 700157/48436 SERIAL NO.: 09/446,820

APPLICANT(S): Sodroski et al.

FILING DATE: 11/10/98 GROUP NO.:

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UNITED STATES PATENT DOCUMENTS

EXAM. INITIAL S	DOCUME NT NUMBER	DATE	INVENTOR/ ASSIGNEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA 45,817,316	Oct. 6, 1998				

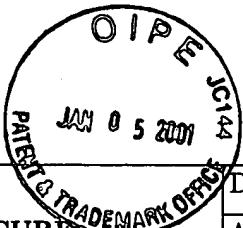
FOREIGN PATENT DOCUMENTS

	DOCUME NT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSL ATION YES/NO
	BA					
	BB					
	BC					
	BD					
	BE					

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

CA	Alkhatib, G., et al., <i>Science</i> 272:1955-1958 (1996)
CB	Allan, JS., et al., <i>Science</i> 228:1091-1093 (1985)
CC	Altschul, SF., et al., <i>Nucleic Acids Res.</i> 25: 3389-3402 (1997)
CD	Arendrup, et al., <i>J. AIDS</i> 5:303-307 (1992)
CE	Arthos, J., et al., <i>Cell</i> 57:469 (1989)
CF	Baggioline, M., et al., <i>Adv. Immunol.</i> 55:97-179 (1994)
CG	Barre-Sinoussi, F., et al., <i>Science</i> 220:868-871 (1983)
CH	Berkower, et al., <i>J. Exp. Med.</i> 170:1681-1695 (1989)
CI	Berman, PW., et al., <i>Nature</i> 345:622-625 (1990)
CJ	Binley, J., et al., <i>AIDS Res. Hum. Retroviruses</i> , 14:191-198 (1997)
CK	Bolmstedt, A., et al., <i>J. AIDS</i> 12:213-220 (1996)
CL	Brodsky, MH., et al., <i>J Immunol.</i> 144:3078-3086 (1990)
CM	Bruck, et al., <i>Vaccine</i> 12:1141-1148 (1994)

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FORM PTO-1449		DOCKET NO.: 700157/48436	SERIAL NO.: 09/446,820
INFORMATION DISCLOSURE		APPLICANT(S): Sodroski et al.	
STATEMENT		FILING DATE: 11/10/98	GROUP NO.:
	CN	Bullough, P., et al., <i>Nature</i> 371:37-43 (1994)	
	CO	Burton, et al., <i>Science</i> 266:1024-1027 (1994)	
	CP	Cao, J., et al., <i>J. Virol.</i> 71:9808-9812 (1997)	
	CQ	Carr, CM., et al., <i>Cell</i> 73:823-832 (1993)	
	CR	Chan, DC., et al., <i>Cell</i> 89:263-273 (1997)	
	CS	Chen, CH., et al., <i>J. Virol.</i> 69:3771-3777 (1995)	
	CT	Chen, Z., et al., <i>J. Virol.</i> 71:2705-2714 (1997)	
	CU	Cheng-Mayer, C., et al., <i>Science</i> 240:80-82 (1988)	
	CV	Choe, H., et al., <i>Cell</i> 85:1135-1148 (1996)	
	CW	Clark, SJ, et al., <i>N. Engl. J. Med.</i> 324:950-960 (1991)	
	CX	Cocchi, F., et al., <i>Nature Med.</i> 2:1244-1247 (1996)	
	CY	Cocchi, F., et al., <i>Science</i> 270:1811-1815 (1995)	
	CZ	Connor, R., et al., <i>J. Exp. Med.</i> 185:628 (1997)	
	DA	Connor, RI., et al., <i>J. Virol.</i> 67:1772-1778 (1993)	
	DB	Coombs, RW., et al., <i>N. Engl. J. Med.</i> 321:1626-1631 (1989)	
	DC	Cordonnier, A., et al., <i>Nature</i> 340:571-574 (1989)	
	DD	D'Souza, et al., <i>J. Infect. Dis.</i> 175: 1056-1062 (1997)	
	DE	Daar, ES., et al., <i>N. Engl. J. Med.</i> 324:961-964 (1991)	
	DF	Daar, et al., <i>Proc. Natl. Acad. Sci. USA</i> 87:6574-6578 (1990)	
	DG	Dagleish, AG., et al., <i>Nature</i> 312:763-767 (1984)	
	DH	Dalum, et al., <i>Mol. Immunol.</i> 34:1113-1120 (1997)	
	DI	Davidson, et al., <i>Nat. Genet.</i> 3:219 (1993)	
	DJ	Dean, M., et al., <i>Science</i> 273:1856-1862 (1996)	
	DK	Dempsey, P., et al., <i>Science</i> 271:348-350 (1996)	
	DL	Deng, HK., et al., <i>Nature</i> 381:661-666 (1996)	
	DM	Doranz, BJ., et al., <i>Cell</i> 85:1149-1158 (1996)	
	DN	Dragic, T., et al., <i>Nature</i> 381:667-673 (1996)	
	DO	Earl, PL., et al., <i>J. Virol.</i> 65:2047-2055 (1991)	

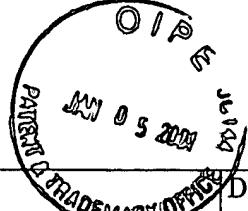


FORM PTO-1449		DOCKET NO.: 700157/48436	SERIAL NO.: 09/446,820
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		FILING DATE: 11/10/98	GROUP NO.:
	DP	Earl, PL., et al., <i>Proc. Natl. Acad. Sci. USA</i> 87:648-652 (1990)	RECEIVED DEC 31 2001 TECH. CENTER 1600/2900
	DQ	Emini, et al., <i>Nature</i> 355:728-730 (1991)	
	DR	Fauci, AS., et al., <i>Ann. Inter. Med.</i> 124:654-663 (1996)	
	DS	Feng, Y., et al., <i>Science</i> 272:872-877 (1996)	
	DT	Fenyo, E., et al., <i>J. Virol.</i> 62:4414-4419 (1988)	
	DU	Freed, E., et al., <i>Proc. Natl. Acad. Sci. USA</i> 87:4650-4654 (1990)	
	DV	Fung, et al., <i>J. Virol.</i> 66:848-856 (1992)	
	DW	Gallo, RC., et al., <i>Science</i> 224:500-503 (1984)	
	DX	Gegerfelt, et al., <i>Virology</i> 185:162-168 (1991)	
	DY	Geller, AI., et al., <i>J. Neurochem</i> 64:487 (1995)	
	DZ	Geller, AI., et al., <i>Proc Natl. Acad. Sci. U.S.A.</i> 87:1149 (1990)	
	EA	Geller, AI., et al., <i>Proc Natl. Acad. Sci. U.S.A.</i> 90:7603 (1993)	
	EB	Gerard, N., et al., <i>Curr. Opin. Immunol.</i> 6:140-145 (1994)	
	EC	Girard, et al., <i>Proc. Natl. Acad. Sci. USA</i> 88:542-546 (1991)	
	ED	Gorny, et al., <i>J. Virol.</i> 66:7538-7542 (1992)	
	EE	Haigwood, et al., <i>AIDS Res. Hum. Retro.</i> 6:855-869 (1990)	
	EF	Haigwood, et al., <i>J. Virol.</i> 66:172-182 (1992)	
	EG	Ho, DD., et al., <i>N. Engl. J. Med.</i> 321:1621-1625 (1989)	
	EH	Ho, et al., <i>J. Virol.</i> 65:489-493 (1991)	
	EI	Javaherian, et al., <i>Science</i> 250:1590-1593 (1990)	
	EJ	Kang, et al., <i>Proc. Natl. Acad. Sci. USA</i> 88:6171-6175 (1991)	
	EK	Kaplitt, MG., et al., <i>Nat. Genet.</i> 8:148 (1994)	
	EL	Karlsson, G., et al., <i>J. Virol.</i> 71:4218 (1997)	
	EM	Klaniecki, et al., <i>AIDS Res. Hum. Retro.</i> 7:791-798 (1991)	
	EN	Klatzmann, D., et al., <i>Nature London</i> 312:767-68 (1984)	
	EO	Kowalski, M., et al., <i>Science</i> 237:1351-1355 (1987)	
	EP	Lasky, L., et al., <i>Cell</i> 50:975-985 (1987)	
	EQ	LeGal LaSalle, et al., <i>Science</i> 259: 988 (1993)	

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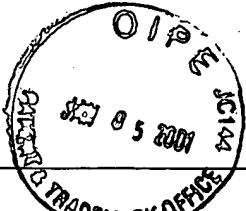


DOCKET NO.: 700157/48436 | SERIAL NO.: 09/246,820, JU

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FILING DATE: 11/10/98 | GROUP NO.:

ER	Leonard, CK., et al., <i>J. Biol. Chem.</i> 265:10373-10382 (1990)
ES	Liu, R., et al., <i>Cell</i> 86:367-378 (1996)
ET	Lu, M., et al., <i>Nature Structural Biol.</i> 2:1075-1082 (1995)
EU	Marcon, L., et al., <i>J. Virol.</i> 71:2522-2527 (1997)
EV	Matthews, et al., <i>Proc. Nat. Acad. Sci. USA</i> 83:9709-9713 (1986)
EW	McKeating, et al., <i>J. Virol.</i> 67:4932-4944 (1993)
EX	McKeating, et al., <i>Virology</i> 190:134-142 (1992)
EY	Moebius, U., et al., <i>J. Exp. Med.</i> 176:507-517 (1982)
EZ	Moore, et al., <i>J. Virol.</i> 69:101-109 (1995)
FA	Moore, et al., <i>J. Virol.</i> 67:6136-6151 (1993)
FB	Moore, et al., <i>J. Virol.</i> 67:863-875 (1993)
FC	Moore, et al., <i>J. Virol.</i> 69:122-133 (1995)
FD	Moore, et al., <i>J. Virol.</i> 70:1863-1872 (1996)
FE	Moore, J., et al., <i>J. Virol.</i> 68:469-484 (1994)
FF	Moore, J., et al., <i>J. Virol.</i> 68:8350-8364 (1994)
FG	Muster, et al., <i>J. Virol.</i> 67:6642-6647 (1993)
FH	Myers, G., et al., "Human Retroviruses and AIDS: A Compilation and Analysis of Nucleic Acid and Amino Acid Sequences," <i>Los Alamos National Laboratory</i> , (1994)
FI	Nara, et al., <i>J. Virol.</i> 64:3779-3791 (1990)
FJ	Ohno, et al., <i>Proc. Natl. Acad. Sci. USA</i> 88:10726-10729 (1991)
FK	Olshevsky, U., et al., <i>J. Virol.</i> 64:5701-5707 (1990)
FL	Peterson, A., et al., <i>Cell</i> 54:65-72 (1988)
FM	Pinter, A., et al., <i>J. Virol.</i> 63:2674-2679
FN	Pollard, S., et al., <i>EMBO J.</i> 11:585-591 (1992)
FO	Posner, et al., <i>J. Immunol.</i> 16:4325-4332 (1991)
FP	Premack, BA., et al., <i>Nature Medicine</i> 11:1174-1178 (1996)
FQ	Profy, et al., <i>J. Immunol.</i> 144:4641-4647 (1990)
FR	Roben, P., et al., <i>J. Virol.</i> 68:4821-4828 (1994)



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		APPLICANT(S): Sodroski et al.	
		FILING DATE: 11/10/98	GROUP NO.:
FS	✓ Robey, W., et al., <i>Proc. Natl. Acad. Sci. USA</i> 83:7023-7027 (1986)		
FT	✓ Robey, WG., et al., <i>Science</i> 228:593-595 (1985)		
FU	✓ Robinson, J., et al., <i>AIDS Res. Hum. Retro</i> 6:567-580 (1990)		
FV	✓ Rusche, et al., <i>Proc. Natl. Acad. Sci. USA</i> 84:6924-6928 (1987)		
FW	✓ Rusche, J., et al., <i>Proc. Natl. Acad. Sci. USA</i> 85:3198-3202 (1988)		
FX	✓ Ryu, SE., et al., <i>Nature London</i> 348:419-425 (1990)		
FY	✓ Samson, M., et al., <i>Nature</i> 382:722-725 (1996)		
FZ	✓ Sattentau, Q., et al., <i>J. Exp. Med.</i> 174:407-415 (1991)		
GA	✓ Sattentau, Q., et al., <i>J. Virol.</i> 67:7388-7393 (1993)		
GB	✓ Sawyer, et al., <i>J. Virol.</i> 67:1342-1349 (1994)		
GC	✓ Schuitemaker, H., et al., <i>J. Virol.</i> 66:1354-1360 (1991)		
GD	✓ Speck, R., et al., <i>J. Virol.</i> 71:7136-7139 (1997)		
GE	✓ Starcich, BR., et al., <i>Cell</i> 45:637-648 (1986)		
GF	✓ Steimer, et al., <i>Science</i> 254:105-108 (1991)		
GG	✓ Sullivan, et al., <i>J Virol.</i> 69:4413-4422 (1995)		
GH	✓ Thali, et al., <i>J. Virol.</i> 65:6188-6193 (1991)		
GI	✓ Thali, et al., <i>J. Virol.</i> 66:5635-5641 (1992)		
GJ	✓ Thali, M., et al., <i>J. Virol.</i> 67:3978-3988 (1993)		
GK	✓ Tilley, et al., <i>Res. Virol.</i> 142:247-259 (1991)		
GL	✓ Trkola, A., et al., <i>J. Virol.</i> 70:1100-1108 (1996)		
GM	✓ Trkola, A., et al., <i>Nature</i> 384: 184-187 (1996)		
GN	✓ Wang, J., et al., <i>Nature London</i> 348:411-418 (1990)		
GO	✓ Watkins, B., et al., <i>J. Virol.</i> 67:7493 (1993)		
GP	✓ Weissenhorn, W., et al., <i>EMBO J.</i> 15:1507-1514 (1996)		
GQ	✓ Weissenhorn, W., et al., <i>Nature</i> 387:426-430 (1997)		
GR	✓ Wu, L., et al., <i>Nature</i> 384:179-183 (1996)		
GS	✓ Wyatt, et al., <i>J. Virol.</i> 69:5723-5733 (1995)		
GT	✓ Wyatt, R., et al., <i>J. Virol.</i> 67:4557-4565 (1993)		

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		APPLICANT(S): Sodroski et al.	
		FILING DATE: 11/10/98	GROUP NO.:
GU	Wyatt, R., et al., <i>J. Virol.</i> 71:9722-9731 (1997)		
GV	Yang, et al., <i>J. Virol.</i> 69:2004 (1995)		
GW	Zhang, L., et al., <i>Nature</i> 383:768 (1996)		
GX	Zhu, T., et al., <i>Science</i> 261:1179-1181 (1993)		
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